

NPIC/IPD-395/67
14 December 1967

Declass Review by NIMA/DOD

MEMORANDUM FOR: See Distribution

SUBJECT: Integrated Information System (IIS); Contract
[] Task Order 17

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DECLASS REVIEW by NIMA/DOD

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1. Forwarded herewith is the complete set of reports submitted by [] in fulfillment of their contract to prepare detailed design of an Integrated Information System for NPIC.* The set consists of the following documents:

a. Part I - SYSTEM REQUIREMENTS

Volume 1 - System Operation and Evaluation

Volume 2 - System Design Description

Volume 3 - Information Interface Description

Part I was reviewed by NPIC during the period 8 August - 7 September 1967. Comments have been reflected in the final reports.

b. Part II - SPECIFICATIONS

Volume 1 - Software (programming)

Volume 2 - Hardware (consoles and teletypes)

Volume 3 - Files (structure within machines)

c. Part III - INFORMAL MEMORANDA

The collection of the fifteen study tasks reviewed by NPIC divisions and staffs during the period 12 December 1966 - 27 July 1967 together with NPIC comments and [] response.

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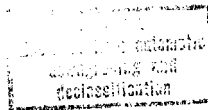
d. DETAILED SYSTEM IMPLEMENTATION PLAN

[] recommended plan for implementation of the IIS including a description of the functions necessary for program management, implementation schedules, manpower requirements, and exploitation costs.

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*The reports will be forwarded to you during the coming week.
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2. Chapter 1, Volume 1 of Part I, presents a brief summary of the Integrated Information System and the benefits which may be expected to accrue to NPIC from its implementation. All levels of NPIC management are urged to read these 25 pages at the minimum. The balance of Volume 1 establishes the context within which the system is to operate, describes its operation, analyzes design alternatives, and evaluates cost/effectiveness. Most components will find this material useful to an understanding of what follows in subsequent volumes and parts and are urged to review it. Material of particular relevance to specific functions in the subsequent volumes may be identified from the indices.

3. Parts I and III have been reviewed by Center components in draft form and now reflect their comments. Part II is of primary concern to IPD and is currently being reviewed critically to determine both those changes necessary before proceeding with implementation and those tasks which can be accomplished in-house. Upon completion, IPD will develop its own implementation plan setting forth a recommended sequence of goals, time schedules, organization for project management, division of labor between NPIC and contractor, and cost estimates. IPD anticipates that this plan will be ready for review and concurrence by NPIC components by 20 December and that it can be forwarded to the Executive Director, NPIC, for approval by 2 January 1968.

4. It is recognized that many details within the design remain to be decided before actual programming can begin and that others will change as a result of changing internal requirements and COMIREX deliberations. Consequently the implementation plan will seek general approval to proceed within cost and time boundaries. Specific concurrence with all details will be sought for each implementation package from all components directly affected at the time work is started on that package. In the interim IPD will welcome all constructive comments designed to make the Integrated Information System more responsive to NPIC's requirements.

Chief, Information Processing Division, NPIC

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